

## Quadruple Diode

### 9-PIN MINIATURE TYPE

For Phase-Detector and Noise-Immune Color-Killer Circuits in Color-Television Receivers, and for FM-Stereo-Multiplex Equipment

#### Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC) . . . . .	6.3 ± 0.6	volts
Current at heater volts = 6.3 . . . . .	0.600	amp
Peak heater-cathode voltage (Each unit):		
Heater negative with respect to cathode. . . . .	300 max.	volts
Heater positive with respect to cathode. . . . .	300 max.	volts

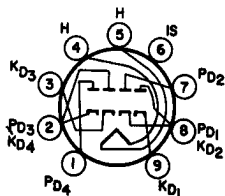
Direct Interelectrode Capacitances (Approx.):<sup>a</sup>

P <sub>D1</sub> +K <sub>D2</sub> to K <sub>D1</sub> . . . . .	1.8	pf
P <sub>D1</sub> +K <sub>D2</sub> to P <sub>D2</sub> . . . . .	2.2	pf
P <sub>D2</sub> to (IS,H) . . . . .	0.62	pf
P <sub>D3</sub> +K <sub>D4</sub> to K <sub>D3</sub> . . . . .	1.9	pf
P <sub>D3</sub> +K <sub>D4</sub> to P <sub>D4</sub> . . . . .	2.2	pf
P <sub>D4</sub> to (IS,H) . . . . .	0.94	pf
K <sub>D1</sub> to (IS,H) . . . . .	1.8	pf
K <sub>D3</sub> to (IS,H) . . . . .	1.9	pf

#### Mechanical:

Operating Position. . . . .	Any
Type of Cathodes. . . . .	Coated Unipotential
Maximum Overall Length. . . . .	2-3/16"
Maximum Seated Length . . . . .	1-15/16"
Length, Base Seat to Bulb Top (Excluding tip). . . . .	1-9/16" ± 3/32"
Diameter. . . . .	0.750" to 0.875"
Dimensional Outline . . . . .	See <i>General Section</i>
Bulb. . . . .	T6-1/2
Base. . . . .	Small-Button Noval 9-Pin (JEDEC No. E9-1)
Basing Designation for BOTTOM VIEW. . . . .	9PQ

- Pin 1 - Plate of Unit No. 4
- Pin 2 - Plate of Unit No. 3,  
Cathode of Unit No. 4
- Pin 3 - Cathode of Unit No. 3
- Pin 4 - Heater
- Pin 5 - Heater
- Pin 6 - Internal Shield
- Pin 7 - Plate of Unit No. 2
- Pin 8 - Plate of Unit No. 1,  
Cathode of Unit No. 2
- Pin 9 - Cathode of Unit No. 1



# 6JU8A

## Maximum Ratings, Design-Maximum Values:

*Values are for Each Unit*

Peak Inverse Plate Voltage. . . . .	300 max.	volts
Peak Plate Current. . . . .	54 max.	ma
DC Output Current . . . . .	9 max.	ma

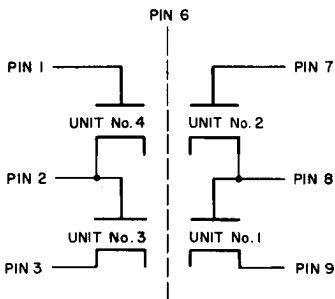
## Characteristics, Instantaneous Value:

*Values are for Each Unit*

Plate Current for plate volts = 10 . . . .	60	ma
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<sup>a</sup> without external shield.

## ARRANGEMENT OF DIODE UNITS



92CS-11532R1

